

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. CAMIPOO5	Application No. 09/811,283
	Applicant: Ewing et al.	
	Filing Date March 15, 2001	Group <del>1635</del> 1631

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#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
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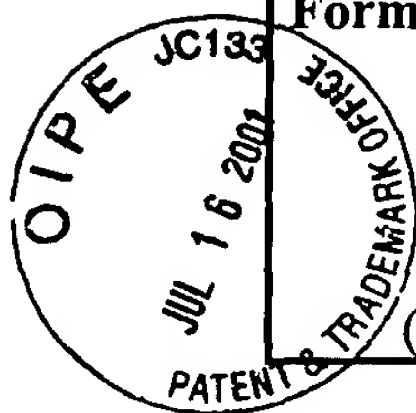
#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
msy	1B	WO 95/18969	07/13/95	PCT	601N	33/53	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	1C							

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
msy	1D	Bradford, M. M., et al., "A Rapid and Sensitive Method for the Quantitation of Microgram Quantities of Protein Utilizing the Principle of Protein-Dye Binding," ANAL. BIOCHEM., (1976) 72:248-54
msy	1E	Burka, L. T., et al., "Mechanism of Cytochrome P-450 Catalysis. Mechanism of N-Dealkylation and Amine Oxide Deoxygenation," J. AM. CHEM. SOC., (1985) 107:2549-51
msy	1F	Burka, L. T., et al., "Mechanisms of Hydroxylation by Cytochrome P-450: Metabolism of Monohalobenzenes by Phenobarbital-Induced Microsomes," PROC. NATL. ACAD. SCI. USA (1983) 80:6680-4
msy	1G	Cleland, W. W., "Partition Analysis and the Concept of Net Rate Constants as Tools in Enzyme Kinetics," BIOCHEMISTRY, (1975) 14(14):3220-4
msy	1H	Cleland, W. W., "The Use of Isotope Effects to Determine Transition-State Structure for Enzymic Reactions," METHODS ENZYMOL., (1982) 87:625-41
msy	1I	Cupp-Vickery, J.R. et al., "Structure of Cytochrome P450eryF Involved in Erythromycin Biosynthesis," STRUCTURAL BIOLOGY, (1995) 2(2):144-53
msy	1J	Dinnocenzo, J. P., et al., "On Isotope Effects for the Cytochrome P-450 Oxidation of Substituted NN-Dimethylanilines," J. AM. CHEM. SOC., (1993) 115:7111-6
msy	1K	Franchetti, P., et al., "Furanfuran and Thiophenfuran: Two Novel Tiazofuran Analogues. Synthesis, Structure, Antitumor Activity, and Interactions with Inosine Monophosphate Dehydrogenase," J. MED. CHEM., (1995) 38:3829-37
msy	1L	Gonzalez, F. J., et al., "Human Cytochromes P450: Problems and Prospects," TIPS Reviews, (1992) 13:346-52
msy	1M	Gonzalez, F.J., et al., "Expression of Mammalian Cytochrome P450 Using Paccinia Virus," METHODS ENZYMOL., (1991) 206:85-92
Examiner MGA Moran		Date Considered 4/15/03

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<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. CAMIP005 Applicant: Ewing et al. Filing Date March 15, 2001	Application No.: 09/811,288  Group 1635 1635
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Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
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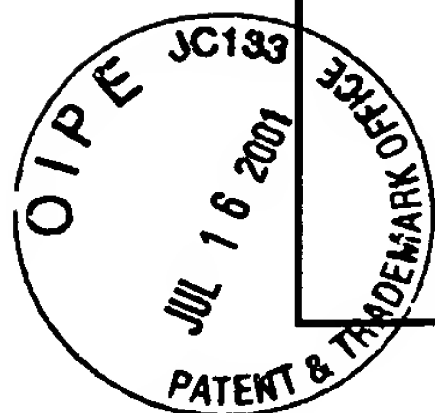
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							Yes	No
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**Other Documents**

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msy	2D	Groves, J. T., et al., "Aliphatic Hydroxylation by Highly Purified Liver Microsomal Cytochrome P-450. Evidence for a Carbon Radical Intermediate," BIOCHEMICAL & BIOPHYSICAL RESEARCH COMMUNICATIONS (1978) 81(1):154-60
msy	2E	Groves, J.T., et al., "Hydroxylation by Cytochrome P-450 and Metalloporphyrin Models. Evidence for Allylic Rearrangement," J. AM. CHEM. SOC., (1984) 106: 2177-81
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msy	2H	Hammond, G. S., "A Correlation of Reaction Rates," J. AM. CHEM. SOC., (1955) 77(2):334-40
msy	2I	Hanzlik, R.P., et al., "Intramolecular Kinetic Deuterium Isotope Effects on Microsomal Hydroxylation and Chemical Chlorination of Toluene-a-d1 and Toluene-a,a-d2," J. AM. CHEM. SOC., (1985) 107:7164-7
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msy	2L	Hasemann, C.A., et al., "Crystal Structure and Refinement of Cytochrome P450terp at 2-3 Å Resolution," J. MOL. BIOL., (1994) 236:1169-85
Examiner MG Moran		Date Considered 4/15/03

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	3A						

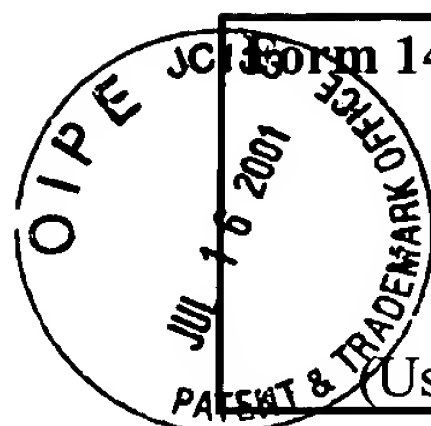
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### Other Documents

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msy	3F	Jones, J. et al., "Predicting The Rates And Regioselectivity of Reactions Mediated By The P450 Superfamily," METHODS IN ENZYMOLOGY, (1996) 272:326-35
msy	3G	Jones, J. P., et al., "The Separation of the Intramolecular Isotope Effect for the Cytochrome P-450 Catalyzed Hydroxylation of n-Octane into Its Primary and Secondary Components," J. AM. CHEM. SOC., (1987) 109(7):2171-3
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msy	3I	Jones, J.P., et al., "The Binding and Regioselectivity of Reaction of (R)-and (S)-Nicotine with Cytochrome P-450cam: Parallel Experimental and Theoretical Studies," J. AM. CHEM. SOC., (1993) 115:381-7
msy	3J	Jones, J.P., et al., Accelerated Communication: Three Dimensional Quantitative Structure- Activity Relationship for Inhibitors of Cytochrome P4502C9," (1996) DRUG METAB. DISPOS., 24(1):1-6
msy	3K	Karki, S.B., et al., "On the Mechanism of Amine Oxidations by P450," Xenobiotica, (1995), 25(7):711-24
Examiner <i>MG Moran</i>		Date Considered <i>4/15/03</i>

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Statement By Applicant

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CAMIPOO5  
Applicant:  
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March 15, 2001Application No.:  
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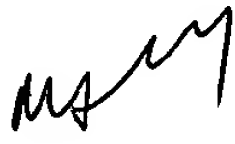
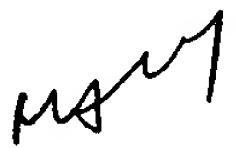
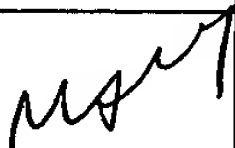
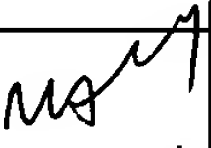
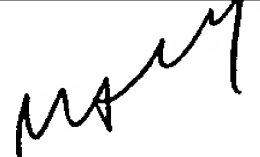
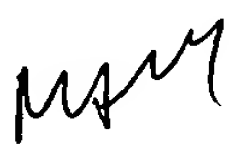

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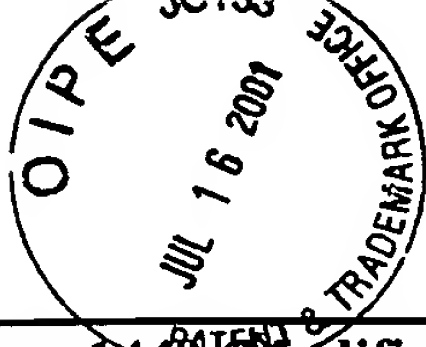
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							Yes	No
	4B							

## Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication			
	4C	Karki, S.B., et al., "Mechanism of Oxidative Amine Dealkylation of Substituted N,N-Dimethylanilines by Cytochrome P-450: Application of Isotope Effect Profiles," J. AM. CHEM. SOC., (1995) 117(13):3657-64			
	4D	Kim, S.S.; et al., "Comparative Hammett Studies of Imidoyl, Benzylic, Aldehydic Hydrogens Transfer and Related Reaction by t-Butoxyl Radical," TETRAHEDRON LETT., (1985) 26(7): 891-4			
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	4G	Korzekwa, K., et al., "The Use of Brauman's Least Squares Approach for the Quantification of Deuterated Chlorophenols," BIOMED. & ENVIRON. MASS SPECTROM., (1990) 19:211-7			
	4H	Korzekwa, K.R., et al., "Predicting the Cytochrome P450 Mediated Metabolism of Xenobiotics," PHARMACOGENETICS, (1993) 3:1-18			
	4I	Lindsay Smith, J.R., et al., "Model Systems for Cytochrome P450 Dependent Mono-Oxygenases. Part 2. <sup>12</sup> Kinetic Isotope Effects for the Oxidative Demethylation of Anisole and [Me- <sup>2</sup> H <sub>3</sub> ] Anisole by Cytochrome P450 Dependent Mono-Oxygenases and Model Systems," J. CHEM. SOC. PERKIN TRANS. II, (1983) 5:621-8			
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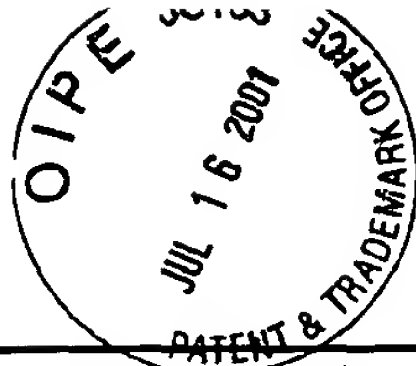
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							Yes	No
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**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
msj	5C	Manchester, J.I., et al., "A New Mechanistic Probe for Cytochrome P450: An Application of Isotope Effect Profiles," J. AM. CHEM. SOC., (1997) 119:5069-70
msj	5D	Nelson, D.R., et al., P450 Superfamily: Update on New Sequences, Gene Mapping, Accession Numbers and Nomenclature," PHARMACOGENETICS, (1996) 6:1-42
msj	5E	Northrop, D.B., "Deuterium and Tritium Kinetic Isotope Effects on Initial Rates," METHODS ENZYMOL., (1982) 87:607-25
msj	5F	Northrop, D.B., "Steady-State Analysis of Kinetic Isotope Effects in Enzymic Reactions," Biochemistry, (1975) 14(12):2644-51
msj	5G	Omura, T., et al., "The Carbon Monoxide-Binding Pigment of Liver Microsomes," J. BIOL. CHEM., (1964) 239(7):2370-8
msj	5H	Poulos, T. L., et al., "High-Resolution Crystal Structure of Cytochrome P450cam," J. MOL. BIOL., (1987) 195:687-700
msj	5I	Ravichandran, K. G., et al., "Crystal Structure of Hemoprotein Domain of P450BM-3, a Prototype for Microsomal P450's," SCIENCE, (1993) 261:731-6
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msj	5L	Silver, E.H., et al., "Structural Considerations in the Metabolism of Nitriles to Cyanide In Vivo," DRUG METAB. DISPOS., (1982) 10(5):495-8
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Examiner <i>Ma Moran</i>		Date Considered <i>4/15/03</i>

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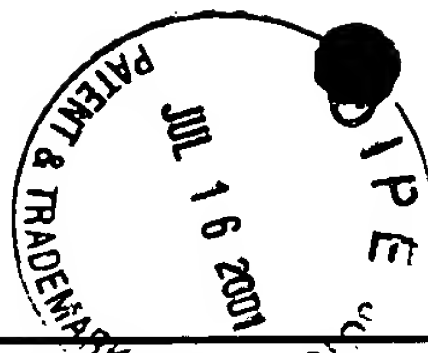
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Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
ms	6C	Szklarz, G. D., et al., "Site-Directed Mutagenesis as a Tool for Molecular Modeling of Cytochrome P450 2B1," BIOCHEMISTRY, (1995) 34:14312-22
ms	6D	Tassaneeyakul, W., et al., "Human Cytochrome P450 Isoform Specificity in the Regioselective Metabolism of Toluene and o-, m- and p-Xylene," J. PHARMACOL. EXP. THER., (1996) 276(1):101-8
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ms	6F	Watanabe, Y., et al., "Kinetic Study on Enzymatic S-Oxygenation Promoted by a Reconstituted System with Purified Cytochrome P-450," TETRAHEDRON LETT., (1980) 21:3685-8
ms	6G	Westheimer, F. H., "The Magnitude of the Primary Kinetic Isotope Effect for Compounds of Hydrogen and Deuterium," CHEM. REV., (1961) 61(3):265-73
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ms	6K	Wislocki, P.G., et al., "Reactions Catalyzed by the Cytochrome P-450 System, " ENZYMATIC BASIS OF DETOXICATION, (1980) 1:135-82
ms	6L	Yin, H., et al., "Designing Safer Chemicals: Predicting the Rates of Metabolism of Halogenated Alkanes, " PROC. NATL. ACAD. SCI. USA, (1995) 92(24):11076-80
ms	6M	Zerner, Michael C., "Semiempirical Molecular Orbital Methods," REVIEWS IN COMPUTATIONAL CHEMISTRY II, Chapter 8, 313-365 (1991)
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<i>msy</i>	7C	International Search Report for PCT/LTS99/17713 dated 11 November 1999
<i>msy</i>	7D	Abstract No. XP-002122407, P84 to Johnson et al., "Automated Modeling Predicts Active Site Geometries Consistent with the Regiospecificity of P450s 2C3v and 2C5 for Progesterone Hydroxylation," FASEB Journal 11(9):P785 (1997)
<i>msy</i>	7E	Korzekwa and Gillette, "Overview: Theoretical Aspects of Isotope Effects on the Pattern of Metabolites Formed by Cytochrome P-450," Biological Reactive Intermediates IV, Witmer et al., Eds. Plenum Press, NY (1990)
<i>msy</i>	7F	Korzekwa et al., "Theory for the Observed Isotope Effects from Enzymatic Systems that Form Multiple Products via Branched Reaction Pathways: Cytochrome P-450," Biochemistry 28: 9012 (1989).
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